**MARK MCWHIRTER**

Phoenix, AZ 85307 (480) 430-0823 mark.mcwhirter@gmail.com

| PROFESSIONAL SUMMARY |
| --- |

Highly skilled software architect and full stack software developer with extensive expertise in the Microsoft technology stack. Participated in the full project development life cycle, including requirements, design, methodology, implementation and testing in direct support of business objectives. Experienced software developer adept at fostering collaboration within Agile teams to drive successful project outcomes. Deep understanding of OOP concepts, database design principles, and service-oriented architecture. Proficient in creating user stories, acceptance criteria, test cases, and UML diagrams. Proven experience developing robust, scalable enterprise applications using C#, SQL Server, and modern web frameworks. Strong understanding of front end javascript frameworks (React, Angular), web APIs and microservices architecture.

| SKILLS |
| --- |

| * .Net Framework | * .Net Core | * ASP.Net |
| --- | --- | --- |
| * Web API | * C# | * VB.Net |
| * Javascript | * SQL Server | * SQL |
| * JQuery | * Angular | * Bootstrap |
| * Azure | * AWS Services | * Java |
| * Typescript * Oracle * Postgres | * React * Google Web Services * OData | * MySql * RabbitMQ * GraphQL |

| EXPERIENCE |
| --- |

| Principal Software Developer/Owner **EagleSwift** | Phoenix, AZ | January 2024 - Current |
| --- | --- |

* Technically proficient software developer with a strong foundation in OOP, database design, and service-oriented architecture. Proven ability to lead Agile teams and deliver well-architected solutions. Adept at translating user needs into actionable stories, creating comprehensive test cases, and visualizing systems using UML.
* Developed and maintained as a full stack developer utilizing React, Bootstrap, Javascript, Asp.net, Razor, Azure, Blazor, .Net Core (6-8), Web Api, JSON, MS Sql Server, Azure Sql Server, MySql, Postgres, OData, GraphQL, Docker, web hooks.
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework, MySql, MS Sql Server, Azure SQL Server, Auth 2.0
* Created applications in cloud environments, including Azure, AWS, and DigitalOcean.
* Developed software applications to meet client needs and improve overall user experience.
* Leveraged technical expertise to support, maintain, document and enhance software functionality.
* Performed quality assurance and integration testing for completed projects ahead of deployment.
* Led technical team to coordinate software maintenance and new development activities.
* Accomplished project milestones and deliverables on time using Agile methodologies.
* Conducted unit testing to verify that each component of application functioned as expected.
* Implemented security measures within the software development process to safeguard against potential threats.
* Ensured compatibility across various platforms Windows, macOS, Linux through thorough testing procedures.
* Tailored software solutions based on specific requirements gathered from stakeholders during meetings or discussions.
* Utilized version control systems such as Git or SVN to manage changes in source code over time accurately.
* Clients included **LightSwitchPress, MediTransact**

| Senior Staff Engineer  **WebPT** | Phoenix | January 2022 - January 2024 |
| --- | --- |

* Worked with clients and product management to develop, enhance and refactor the customer billing application.
* Performed as a scrum master in a robust number of agile ceremonies..
* Team lead on several .net core upgrade projects, converting code to .Net Core 6
* Integration of internal and external processes. Worked with numerous EDI data feeds.
* Managed deployments using GitLab and Jenkins
* Was responsible for source code and package deployments, production support on call, server upgrades and feature enhancements and refactoring
* Developed and maintained line of business applications using React, javascript, typescript, .Net Core, Asp.Net, Auth 2.0, JSON, Bootstrap, Web Api and MS Sql Server. Utilized Auth 2.0 for authentication and authorization, and JSON for Web API and internal data manipulation.
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework, MS SQL Server, AWS

| Lead Software Engineer  **IFG Companies** | Scottsdale, AZ | June 2017 - December 2022 |
| --- | --- |

* Worked extensively with clients to determine needs and evaluate success.
* Developed software applications to meet client needs and improve overall user experience.
* Developed a risk assessment data application as the team lead.  This application integrated 10+ data feeds to process and store for retrieval. The application utilized Azure microservices, c#, Entity Framework Core, Rabbit MQ, and Microsoft SQL Server.
* Also developed a primary line of business application as part of a large team
* Developed and maintained as a full stack developer
* Utilized ASP.Net with MVC 5, Framework 4.5, Powershell, .Net Core, Blazor, Javascript, Sql Server 2016, HTML/CSS/Jquery, AngularJS. JSON. Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework, Auth 2.0. Utilized Auth 2.0 for authentication and authorization, and JSON for Web API and internal data manipulation.
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework.

| Senior Web Developer  **Seacret Direct** | Phoenix, AZ | April 2015 - December 2016 |
| --- | --- |

* Developed several major parts of a line of business application for agents
* Tested and validated programs to enhance applications and improve performance.
* Also sole developer of web based point of sale system and a content management system
* Developed several tools for end users to supply content to LOB application
* Developed several WCF based services for logging, configuration management, notification
* Utilized ASP.Net with MVC 5, Framework 4.5, Sql Server 2014, Kendo UI, javascript, WCF services, Ajax, HTML/CSS/Jquery, JSON, Auth 2.0. Utilized Auth 2.0 for authentication and authorization, and JSON for Web API and internal data manipulation.
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework, MS Sql Server

| Web Engineer- Permanent  **QuantumClean** | Phoenix, AZ | November 2013 - September 2014 |
| --- | --- |

* Developed line of business applications for document notification and review
* Also worked on team that developed critical portions of an internal web-based tracking application
* Utilized ASP.net, Kendo UI, javascript, JSON, Telerik Winforms, C#, Entity Framework, SQL Server 2008R2.
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework.

| Owner - Contract  **Quantum Loop Gravity** | Phoenix, AZ | November 2009 - June 2017 |
| --- | --- |

* As a software architect or senior software engineer headed projects to upgrade a main case management system
* Developed, enhanced and maintained a large international website
* Responsible for developing recommendations and developing enhancements for website security, integrity, and performance
* Developed guidelines for security in software development practices
* Developed new websites and deployed to cloud in virtual hosting environments utilizing MS Visual Studio, Microsoft .Net Core, c#, javascript, MVC, Razor, Kendo MVC, JQuery, Telerik MVC UI tools, Entity Framework 4.1, LINQ, SQL Server, Java (Java2EE), Oracle 9, WebSphere, Tomcat, and IIS
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework.
* Clients included the **Maricopa County Superior Court, Intel, Total Transit, Stora Enso and Air France**.

| Sr. Software Engineer - Permanent  **Apollo Group** | Tempe, AZ | January 2008 - August 2009 |
| --- | --- |

* Web development of instructional systems and content management systems, including vendor integrations, http handling, and re-skinning, Re-engineered applications to utilize n-tier architecture, memcaching, master pages, and Yahoo UI standards
* Utilized ASP.Net, javascript, SQL Server (SQL, stored procedures), C#(1.0 to 3.5), VB.Net (1.0 to 3.5), VS 2005/8, NUnit, Subversion, HTML, CSS, XML, standard SDLC, software patterns, and n-tier design principles.
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework.

| Owner **Quantum Loop Gravity** | Phoenix, AZ | May 2001 - December 2007 |
| --- | --- |

* Web development of several commercial web sites, utilizing ASP, ASP.Net, javascript, SQL Server, C#, PHP, and MySQL
* Projects developed using Microsoft Visual Studio 2003, Vb.Net, javascript, MS SQL Server 2000-2016, Oracle 9i, Visual Source Safe, T-SQL, and ADO.Net
* Several web sites include ecommerce features, and advanced use of HTML, CSS, XML, Flash, Crystal Reports, content management systems (Joomla, Drupal, DotNetNuke, Ektron CMS), and custom administrative pages
* Strong technical skills in using LINQ, LINQ-to-SQL with C#/.Net Framework.
* Worked extensively with SSIS/ETL
* Clients included **Arizona Supreme Court, Arizona State Dept Of Economic Security, Rio Salado College, Wells Fargo, StoraEnso North America, PacWest Telecomm.**

| Programmer/Analyst  **CTG** | Anchorage, AK | July 1994 - March 1996 |
| --- | --- |

* Co-developed a client-server application designed in Foxpro 2.6 to manage service level agreements, help ticket, and time entry
* Resulting program was used to support over 150 personnel, several hundred applications, and a robust service level agreement
* Application was subsequently deployed as a standard tool to an international consultancy
* Provided team leadership for a large software outsourcing group, providing direction for a 100 person group responsible for the maintenance of over 200 applications
* Worked to provide methodology and procedure to insure responsive and timely software maintenance, resulting in multi-million dollar savings for customers.

| EDUCATION |
| --- |

| Amazon AWS Architect Course | January 2023 |
| --- | --- |

| Azure Fundamentals Certification | January 2021 |
| --- | --- |

| D.Th. - Theology  Life Point Christian University, Glendale, AZ | January 2017 |
| --- | --- |

| M. Divinity - Theology  Gateway International Bible Institute, Glendale, AZ | January 2012 |
| --- | --- |

| B. Pastoral Leadership - Theology  Gateway International Bible Institute, Glendale, AZ | January 2009 |
| --- | --- |

| OTHER |
| --- |

Currently hold expired DOD Secret clearance.